

# Converting Colors

XYZ(70.7904, 76.0523, 68.9362)

Have a look what the booklet for  
XYZ(70.7904, 76.0523, 68.9362)  
contains.

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# Color

**XYZ(70.8016, 76.0040,  
68.6962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E3CD
RGB	229, 227, 205
RGB Percent	90%, 89%, 80%
CMY	0.1020, 0.1098, 0.1961
CMYK	0.00, 0.01, 0.10, 0.10
HSL	55°, 32%, 85%
HSV	55°, 10%, 90%
XYZ	70.8016, 76.0040, 68.6962
YIQ	225.0900, 8.2540, -6.4180

# Conversions

## Conversions Part 2

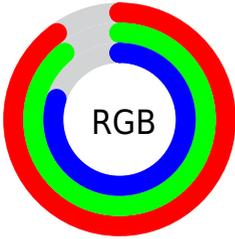
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 229, 205
Decimal	15066061
CIE Lab	89.86, -3.05, 10.98
CIE LCh	90, 11.399, 105.509
Yxy	76.0040, 0.3285, 0.3527
Android (android.graphics.Color)	4293256141 (0xFFE5E3CD)
YUV	225.0900, -9.9044, 3.4291
Hunter-Lab	87.1803, -7.6005, 14.3069

# Details

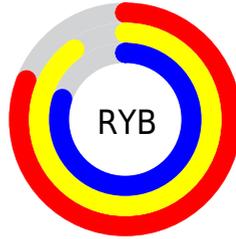
The XYZ color **70.8016, 76.0040, 68.6962** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.6323, 63.2606, 83.0915**, and the grayscale version is **71.6993, 75.4333, 82.1468**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5720, 40.6236, 35.1390** is the 20% darker color. If you saturate the color by 10%, you get **67.7202, 73.9454, 55.0147**, and if you desaturate by 10%, it is **74.2976, 78.2426, 84.5138**.

# Distribution



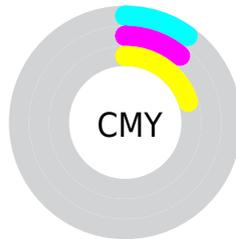
- Red (90%)
- Green (89%)
- Blue (80%)



- Red (81%)
- Yellow (90%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8016, 76.0040, 68.6962 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.8016, 76.0040, 68.6962 by changing the saturation by 10% instead.



70.8016, 76.0040,  
68.6962

70.8016, 76.0040,  
68.6962

452.5822,  
481.3614, 474.6236

52.4623, 56.4358,  
49.9941

119.3712,  
127.7326, 119.0112

37.5994, 40.5524,  
35.0376

150.3322,  
160.6617, 151.4611

25.8477, 27.9695,  
23.4080

186.2312,  
198.8133, 189.3308

16.8418, 18.3027,  
14.6870

227.4334,  
242.5717, 233.0387

10.2164, 11.1675,  
8.4558

274.3042,  
292.3213, 283.0034

5.6060, 6.1796,  
4.2960

327.2091,

2.6454, 2.9546,

348.4465, 339.6434

1.7891

386.5133,  
411.3317, 403.3773

■ 0.9691, 1.1081,  
0.4208

■ 0.0000, 0.0000,  
0.0000

■ 70.8016, 76.0040,  
68.6962

■ 70.8016, 76.0040,  
68.6962

■ 67.7202, 73.9454,  
55.0147

■ 74.2976, 78.2426,  
84.5138

■ 65.0296, 72.0498,  
43.3723

■ 78.2183, 80.6579,  
102.5491

■ 62.7131, 70.3130,  
33.6715

■ 79.4221, 81.9957,  
106.2485

■ 60.7503, 68.7268,  
25.8053

■ 79.9631, 83.0777,  
106.4288

■ 59.1189, 67.2823,  
19.6560

■ 80.5099, 84.1713,  
106.6111

■ 57.7940, 65.9694,  
15.0925

■ 81.0626, 85.2766,  
106.7953

■ 56.7470, 64.7767,  
11.9648

■ 81.6211, 86.3936,  
106.9815

■ 55.9439, 63.6906,  
10.0940

■ 82.1855, 87.5225,  
107.1696

■ 55.3511, 62.7336,  
9.1915

■ 82.7558, 88.6631,  
107.3597

# Harmonies

## Analogous

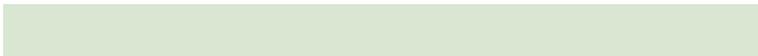
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.6027, 76.0040, 68.6333



70.8016, 76.0040, 68.6962



68.4459, 76.0040, 72.3583

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.8016, 76.0040, 68.6962



68.5115, 76.0040, 94.3160



77.6089, 76.0040, 86.6962

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.8016, 76.0040, 68.6962



61.6323, 63.2606, 83.0915

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1707, 76.0040, 94.1037



70.8016, 76.0040, 68.6962



70.8932, 76.0040, 98.6929

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8016, 76.0040, 68.6962



67.1474, 76.0040, 86.9708



73.6968, 76.0040, 98.6128



77.5828, 76.0040, 78.6785

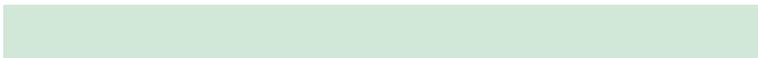


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8016, 76.0040, 68.6962



67.4240, 76.0040, 76.4928



73.6968, 76.0040, 98.6128



77.2791, 76.0040, 89.3509

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



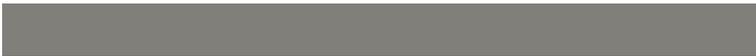
70.8037, 76.0073, 68.6978



93.6400, 99.1119, 102.4743



65.4078, 64.8267, 68.0980



19.9639, 21.1640, 21.5754



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.8037, 76.0073, 68.6978



89.2919, 96.3002, 82.8835



68.2530, 75.5072, 68.7357



15.4937, 16.6014, 15.2922



31.6900, 35.9541, 5.2696



2.3722, 2.7177, 0.3995



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



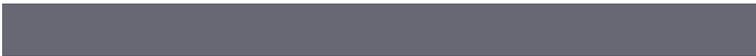
61.6323, 63.2606, 83.0915



74.9470, 76.3634, 105.3972



63.9994, 63.7679, 83.0646



13.6786, 14.0787, 18.1408



8.2547, 3.5716, 42.6375



0.6436, 0.3311, 3.1619



# Previews

## White Background



This preview shows how the XYZ color 70.8016, 76.0040, 68.6962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8016, 76.0040, 68.6962 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

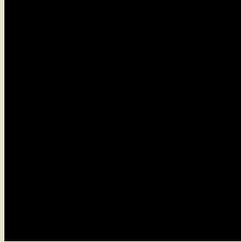
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

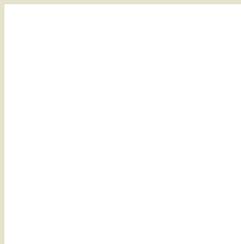
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 70.8016, 76.0040, 68.6962**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8016, 76.0040, 68.6962.



This preview shows how white text looks on a background with the XYZ color 70.8016, 76.0040,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

70.8016, 76.0040, 68.6962

### Protanopia

72.0852, 75.8722, 67.9722

### Deuteranopia

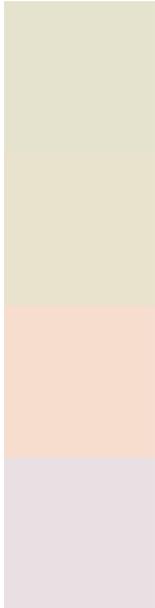
77.5739, 75.9078, 69.5946



## **Tritanopia**

75.6329, 75.9670, 92.3382

# Trichromacy



## Original Color

70.8016, 76.0040, 68.6962

## Protanomaly

71.6997, 76.0760, 68.0319

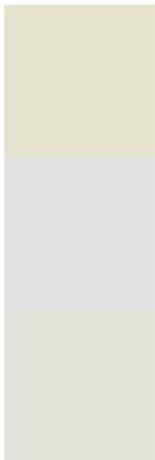
## Deuteranomaly

75.0031, 75.7620, 69.0630

## Tritanomaly

73.7995, 76.0132, 83.4554

# Monochromacy



## Original Color

70.8016, 76.0040, 68.6962

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

71.2153, 75.6234, 77.1730

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8016, 76.0040, 68.6962 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(229, 227, 205)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 227, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8016, 76.0040, 68.6962 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 227, 205) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(229, 227, 205) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(229, 227, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(229, 227,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8016, 76.0040, 68.6962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 227, 205) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
227, 205) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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